

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 105886	APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Marshall Wayne BERN, David GOLDBERG				1c978 U.S. PRO 10/046196 01/16/02
		FILING DATE January 16, 2002				
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		09/749,690 (Atty Dcket. 105887)	12/28/00	Goldberg et al.		
JC		5,303,313	04/12/1994	Mark et al.		
JC		5,835,638	11/10/1998	Rucklidge et al.		
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
JC		Digipaper, http://www3.cs.cornell.edu/digipaper/				
JC		John D. Hobby et al., "Degraded Character Image Restoration", Proc. 5 th Annual Symp. On Document Analysis and Image Retrieval, pps. 177-189, 1996				
JC		John D. Hobby et al., "Enhancing Degraded Document Images via Bitmap Clustering and Averaging", ICDAR '97: Fourt Int. Conference on Document Analysis and Recognition, 1997				
EXAMINER		<i>John Chang</i>		DATE CONSIDERED <u>4/17/00</u>		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						